

Title (en)
SURVEYING INSTRUMENT

Title (de)
VERMESSUNGSINSTRUMENT

Title (fr)
INSTRUMENT DE SURVEILLANCE

Publication
EP 3605014 B1 20210728 (EN)

Application
EP 19189273 A 20190731

Priority
JP 2018146747 A 20180803

Abstract (en)
[origin: EP3605014A1] A surveying instrument comprises a projection optical system for irradiating a distance measuring light which is a linearly-polarized light to an object to be measured, a light receiving optical system for receiving a reflected distance measuring light from the object to be measured, a polarization selecting module for selecting a polarization of the reflected distance measuring light received by the light receiving optical system and an arithmetic control module for controlling a distance measurement based on a light receiving result of the reflected distance measuring light, wherein the arithmetic control module is configured to give a material information to a distance measurement result of the object to be measured based on a change in light receiving amounts caused due to a selection of the polarization by the polarization selecting module.

IPC 8 full level
G01C 15/00 (2006.01); **G01B 11/24** (2006.01); **G01C 3/00** (2006.01); **G01N 21/17** (2006.01); **G01N 21/21** (2006.01)

CPC (source: CN EP US)
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